



Minnesota Pollution Control Agency

520 Lafayette Road North
St. Paul, MN 55155-4194

Compliance Inspection Form
Existing Subsurface Sewage Treatment Systems (SSTS)

Doc Type: Compliance and Enforcement

Inspection results based on Minnesota Pollution Control Agency (MPCA) requirements and attached forms - additional local requirements may also apply.

Submit completed form to Local Unit of Government (LUG) and system owner within 15 days

For local tracking purposes:

System Status

System status on date (mm/dd/yyyy): 1/22/2016

[X] Compliant - Certificate of Compliance
(Valid for 3 years from report date, unless shorter time frame outlined in Local Ordinance.)

[] Noncompliant - Notice of Noncompliance
(See Upgrade Requirements on page 3.)

Reason(s) for noncompliance (check all applicable)

- [] Impact on Public Health (Compliance Component #1) - Imminent threat to public health and safety
[] Other Compliance Conditions (Compliance Component #3) - Imminent threat to public health and safety
[] Tank Integrity (Compliance Component #2) - Failing to protect groundwater
[] Other Compliance Conditions (Compliance Component #3) - Failing to protect groundwater
[] Soil Separation (Compliance Component #4) - Failing to protect groundwater
[] Operating permit/monitoring plan requirements (Compliance Component #5) - Noncompliant

Property Information

Parcel ID# or Sec/Twp/Range:

Property address: 520 Lake Elmo Ave N, Lake Elmo, MN 55042 Reason for inspection: Sale

Property owner: Gillis Lindberg Owner's phone: 651-731-9202

Owner's representative: Representative phone:

Local regulatory authority: Washington County Regulatory authority phone: 651-430-6655

Brief system description: Two septic tanks, a tank with a pump, pressure bed distribution system.

Comments or recommendations:

Originally designed as a trench system, a bed system was installed. Met on site with installer 1/20/2016 to locate system and verify system type.

Certification

I hereby certify that all the necessary information has been gathered to determine the compliance status of this system. No determination of future system performance has been nor can be made due to unknown conditions during system construction, possible abuse of the system, inadequate maintenance, or future water usage.

Inspector name: Benjamin Zierke Certification number: 9594

Business name: Zierke Soil Testing License number: 119

Inspector signature: [Signature] Phone number: 651-462-2294

Necessary or Locally Required Attachments

- [X] Soil boring logs [X] System/As-built drawing [] Forms per local ordinance
[X] Other information (list): Pumping report

1. Impact on Public Health – Compliance component #1 of 5

Compliance criteria:

System discharges sewage to the ground surface.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
System discharges sewage to drain tile or surface waters.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
System causes sewage backup into dwelling or establishment.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Any "yes" answer above indicates the system is an imminent threat to public health and safety.

Comments/Explanation:

Verification method(s):

- Searched for surface outlet
- Searched for seeping in yard/backup in home
- Excessive ponding in soil system/D-boxes
- Homeowner testimony (See Comments/Explanation)
- "Black soil" above soil dispersal system
- System requires "emergency" pumping
- Performed dye test
- Unable to verify (See Comments/Explanation)
- Other methods not listed (See Comments/Explanation)

2. Tank Integrity – Compliance component #2 of 5

Compliance criteria:

System consists of a seepage pit, cesspool, drywell, or leaching pit. <i>Seepage pits meeting 7080.2550 may be compliant if allowed in local ordinance.</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Sewage tank(s) leak below their designed operating depth. If yes, which sewage tank(s) leaks:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Any "yes" answer above indicates the system is failing to protect groundwater.

Comments/Explanation:

Tanks pumped 1/21/2016 by Olson's. See attached report.

Verification method(s):

- Probed tank(s) bottom
- Examined construction records
- Examined Tank Integrity Form (Attach)
- Observed liquid level below operating depth
- Examined empty (pumped) tanks(s)
- Probed outside tank(s) for "black soil"
- Unable to verify (See Comments/Explanation)
- Other methods not listed (See Comments/Explanation)

3. Other Compliance Conditions – Compliance component #3 of 5

- a. Maintenance hole covers are damaged, cracked, unsecured, or appear to be structurally unsound. Yes* No Unknown
- b. Other issues (electrical hazards, etc.) to immediately and adversely impact public health or safety. Yes* No Unknown
***System is an imminent threat to public health and safety.**

Explain:

- c. System is non-protective of ground water for other conditions as determined by inspector. Yes* No
***System is failing to protect groundwater.**

Explain:

4. Soil Separation – Compliance component #4 of 5

Date of installation: 10/15/2002 Unknown
(mm/dd/yyyy)

Shoreland/Wellhead protection/Food beverage lodging? Yes No

Compliance criteria:

For systems built prior to April 1, 1996, and not located in Shoreland or Wellhead Protection Area or not serving a food, beverage or lodging establishment:	<input type="checkbox"/> Yes <input type="checkbox"/> No
Drainfield has at least a two-foot vertical separation distance from periodically saturated soil or bedrock.	
Non-performance systems built April 1, 1996, or later or for non-performance systems located in Shoreland or Wellhead Protection Areas or serving a food, beverage, or lodging establishment:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Drainfield has a three-foot vertical separation distance from periodically saturated soil or bedrock.*	
"Experimental", "Other", or "Performance" systems built under pre-2008 Rules; Type IV or V systems built under 2008 Rules (7080.2350 or 7080.2400 (Advanced Inspector License required)	<input type="checkbox"/> Yes <input type="checkbox"/> No
Drainfield meets the designed vertical separation distance from periodically saturated soil or bedrock.	

Verification method(s):

Soil observation does not expire. Previous soil observations by two independent parties are sufficient, unless site conditions have been altered or local requirements differ.

- Conducted soil observation(s) (Attach boring logs)
- Two previous verifications (Attach boring logs)
- Not applicable (Holding tank(s), no drainfield)
- Unable to verify (See Comments/Explanation)
- Other (See Comments/Explanation)

Comments/Explanation:

Indicate depths or elevations

A. Bottom of distribution media	96.5
B. Periodically saturated soil/bedrock	93.0+
C. System separation	3.0
D. Required compliance separation*	3.5+

*May be reduced up to 15 percent if allowed by Local Ordinance.

Any "no" answer above indicates the system is failing to protect groundwater.

5. Operating Permit and Nitrogen BMP* – Compliance component #5 of 5 **Not applicable**

Is the system operated under an Operating Permit? Yes No If "yes", A below is required

Is the system required to employ a Nitrogen BMP? Yes No If "yes", B below is required

BMP = Best Management Practice(s) specified in the system design

If the answer to both questions is "no", this section does not need to be completed.

Compliance criteria

a. Operating Permit number: _____ Have the Operating Permit requirements been met?	<input type="checkbox"/> Yes <input type="checkbox"/> No
b. Is the required nitrogen BMP in place and properly functioning?	<input type="checkbox"/> Yes <input type="checkbox"/> No

Any "no" answer indicates Noncompliance.

Upgrade Requirements (Minn. Stat. § 115.55) An imminent threat to public health and safety (ITPHS) must be upgraded, replaced, or its use discontinued within ten months of receipt of this notice or within a shorter period if required by local ordinance. If the system is failing to protect ground water, the system must be upgraded, replaced, or its use discontinued within the time required by local ordinance. If an existing system is not failing as defined in law, and has at least two feet of design soil separation, then the system need not be upgraded, repaired, replaced, or its use discontinued, notwithstanding any local ordinance that is more strict. This provision does not apply to systems in shoreland areas, Wellhead Protection Areas, or those used in connection with food, beverage, and lodging establishments as defined in law.

1991 8/2015 2015



Relative Elevations

B1: 100.0, redox 93.0+

Bottom of rock: 96.5

B1 Separation: 3.5+

Benchmark: 98.3
(bottom of east side of house siding)

Antigo Soils

Imagery Date: 8/11/2015 44°57'24.06" N 92°53'08.40" W elev 929 ft eye alt 1375 ft

Google earth

Service Order

Service Order #: 77203

Olson's Sewer Service, Inc. 17638 Lyons Street N.E. Forest Lake, MN 55025 651-464-2082

Date: 1/21/2016 **Preferred Time:** 11:00 AM 2:00 PM **Directions:** **Road Restrictions (Tons)**

Addr: 520 Lake Elmo Avenue North
Name: Gillis Lindberg **C1:** (651) 357-5153 Dave Sorenso
City: Lake Elmo, MN 55042 **C2:** (651) 731-9202 Gillis
Cty: Washington
Twp:

Tank Type	Pre-cast	PreT T1 T1C T2 T3 LS								
Treatment Type	Pressure Trench	Sizes:		1000		1000		1000		
Treatment Area	800Sq Ft	Depths:		inches	C	inches	C	inches		
Dist to Tank 1	225 Ft	Depth to Inlet:								
Dist to Lift Tank		Depth to Outlet:								
		Liquid Depth:								
Water Meter		Power Disconnect at Lift		N						
Effluent Filter		Looped		Y						
Two Techs	N	# Bedrooms		3						
City Sewer	N	Pump Breaker								
Install Date	8/16/1999	Baseline Equal Dist Hgt		PreT T1 T1C T2 T3 LS						
Installer	1			4	Covers Secure:		Y	Y	Y	Y
As Built	W1515			2	5	Infiltration:		N	N	N
Cleanout		3	6	Scum Depth:		15	2	0		
Lift Pump				Sludge Depth:		15	8	2		
				Inlet Baffle Intact:		Y	Y			
				Outlet Baffle Intact:		Y	Y			
				Pump Function:				Y		
				Alarm Function:				Y		
				Filter Alarm Function:						

Service Type	Last Service Date	Mobilize Time	At Site Time	Complete Time	Disposal Time	Leave Disposal Time
1 Lift Station Maintenance		12:45 PM	1:30 PM	3:10 PM		
2 Maintenance Pumping						
3 LUG Permit						

Time Dosing	<input type="checkbox"/>	Iron Filter	<input type="checkbox"/>	S&E Quality	<input type="checkbox"/>	Eq Dist Hgt 1	<input type="checkbox"/>	Readings Previous Functioning		
Lint Filter	<input type="checkbox"/>	Sump Pump	<input type="checkbox"/>	PH Reading	<input type="checkbox"/>	2	<input type="checkbox"/>	Event/Cycle Ctr	<input type="checkbox"/>	<input type="checkbox"/>
Switch Tree	<input type="checkbox"/>	Ejector Pump	<input type="checkbox"/>	Non Dom Wastes	<input type="checkbox"/>	3	<input type="checkbox"/>	Elapsed Time	<input type="checkbox"/>	<input type="checkbox"/>
Event Counter	<input type="checkbox"/>	Mgmt Plan	<input type="checkbox"/>	TA Visual Insp	<input type="checkbox"/>	4	<input type="checkbox"/>	Time Dosing	<input type="checkbox"/>	<input type="checkbox"/>
Garbage Disp.	<input type="checkbox"/>	Monitoring	<input type="checkbox"/>			5	<input type="checkbox"/>	Water Meter	<input type="checkbox"/>	<input type="checkbox"/>
Water Softener	<input type="checkbox"/>	Irrigation	<input type="checkbox"/>			6	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>

Dump Site Gal Pumped		CSR	ns	Reminder	5/1/2019
Metro	2220	Garden Hose	<input type="checkbox"/>	Lift Station Last Service	
Total:	2220	FollowUp	<input type="checkbox"/>	Vehicle	15
		Septage	<input type="checkbox"/>	Service Person	JH
		Sewage Type Disposed	<input checked="" type="checkbox"/>	Inv #	82903
		Amt Billed	467.00	Payment Type	send info to Ben Zier

Service Order Comments: PLEASE BRING ADDITIONAL HOSE she feels it is a longer stretch than 300-feet, she will have a garden hose available for us with a spray nozzle and make use the hose is not frozen, she will have covers exposed for us too This is for a sale of the home and info should go to Ben Zierke when done

Site Comments:

Post Comments: NS did quote \$450.00 plus the \$17.00 permit